

FIG.1

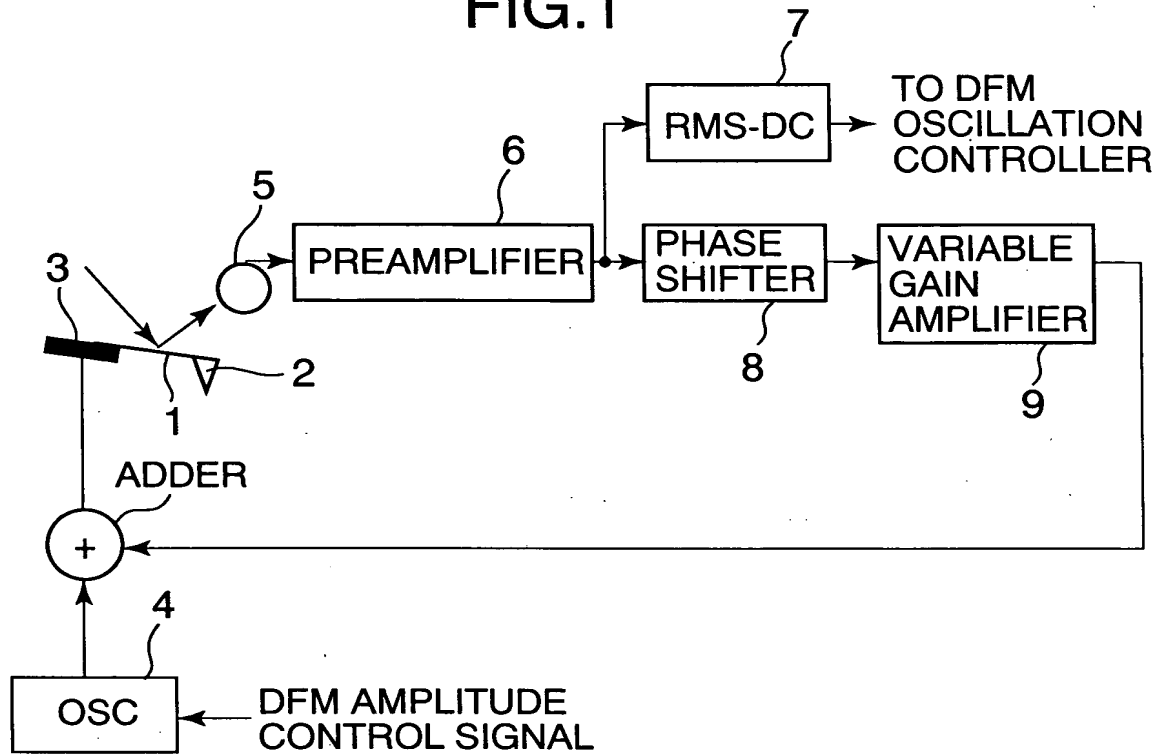


FIG.2

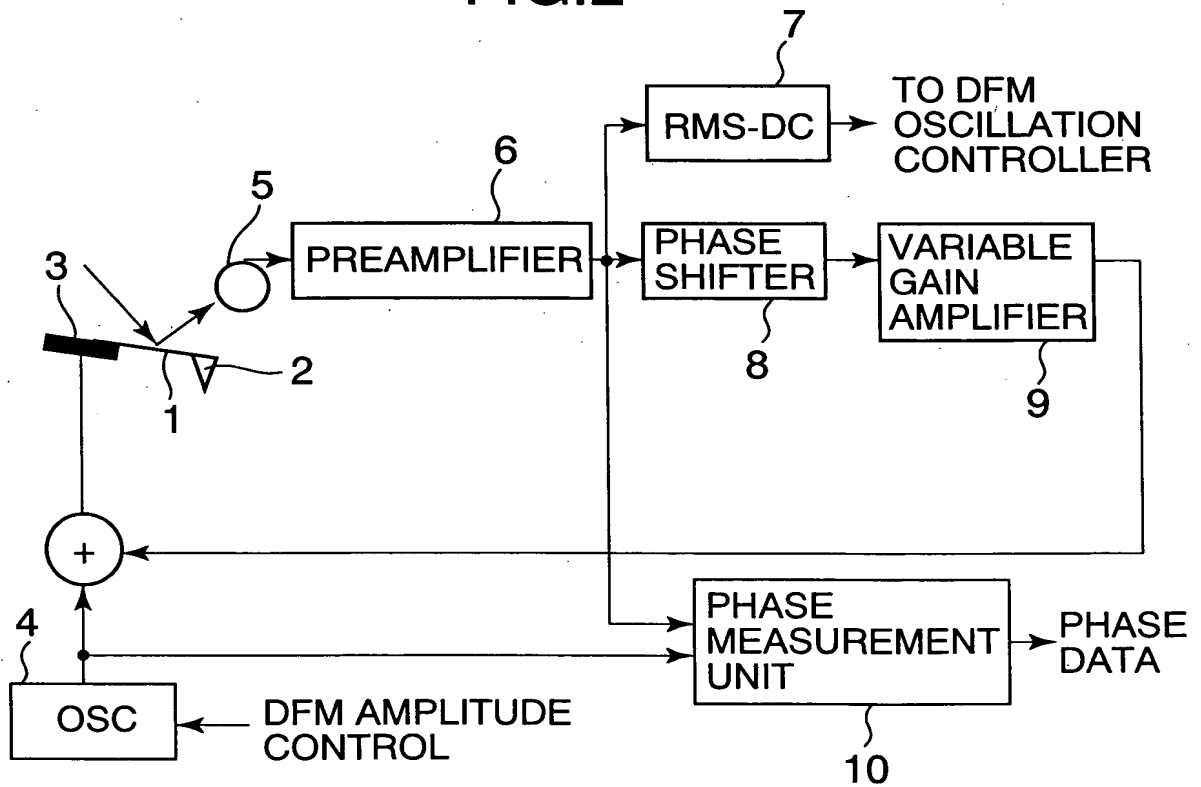


FIG.3

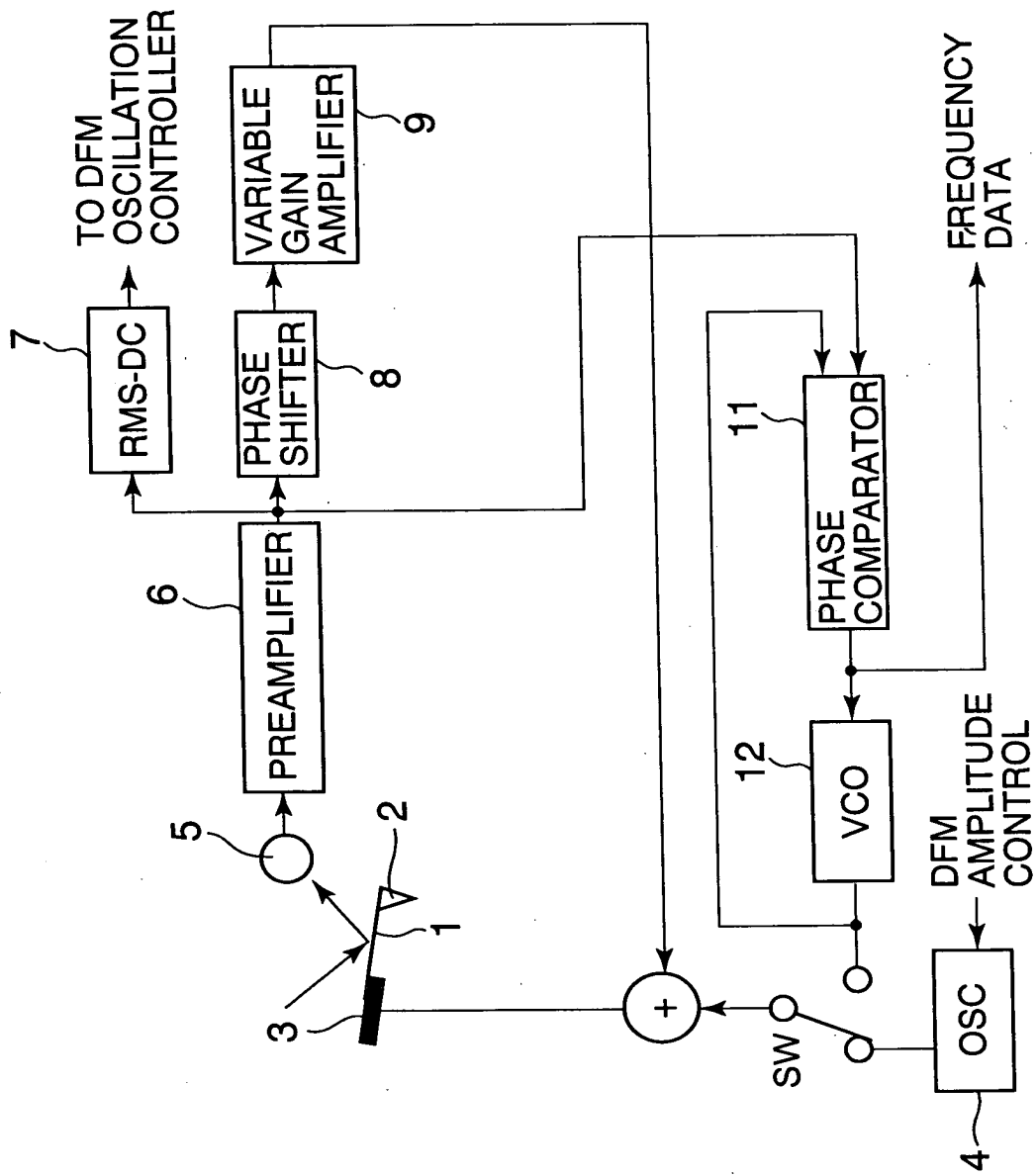


FIG. 4

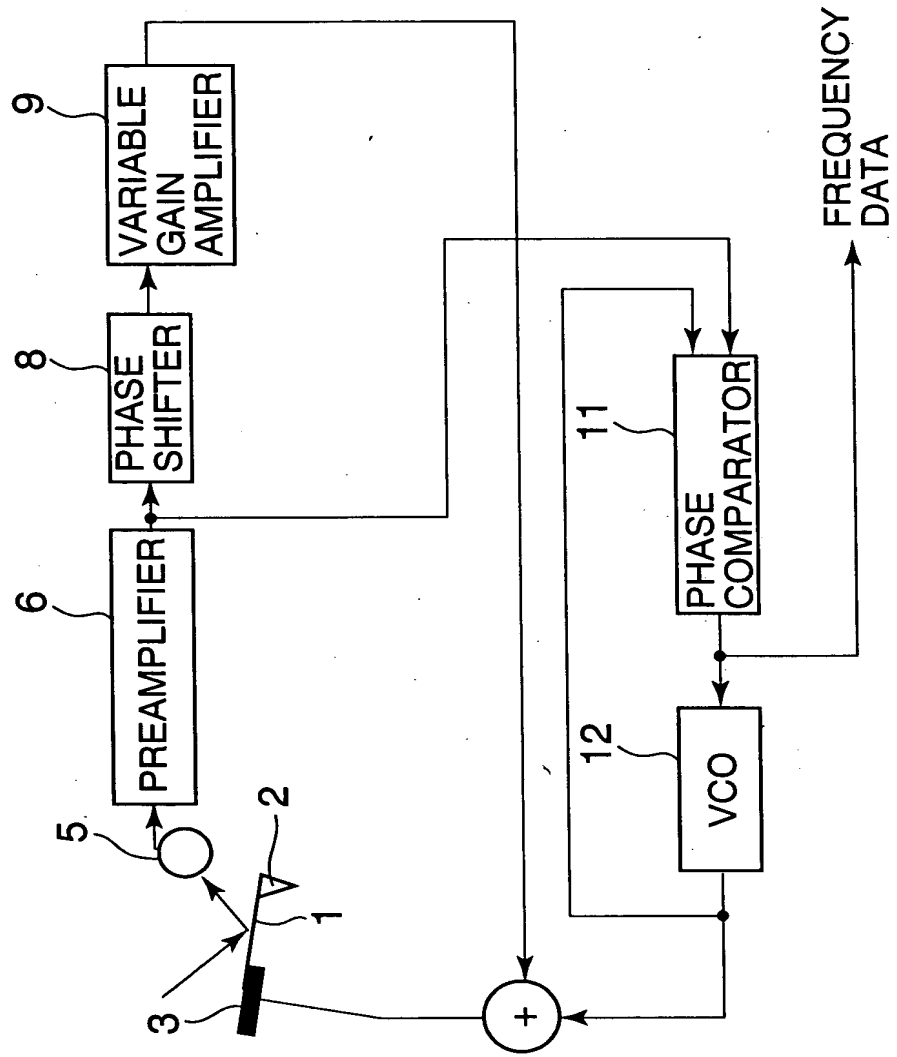
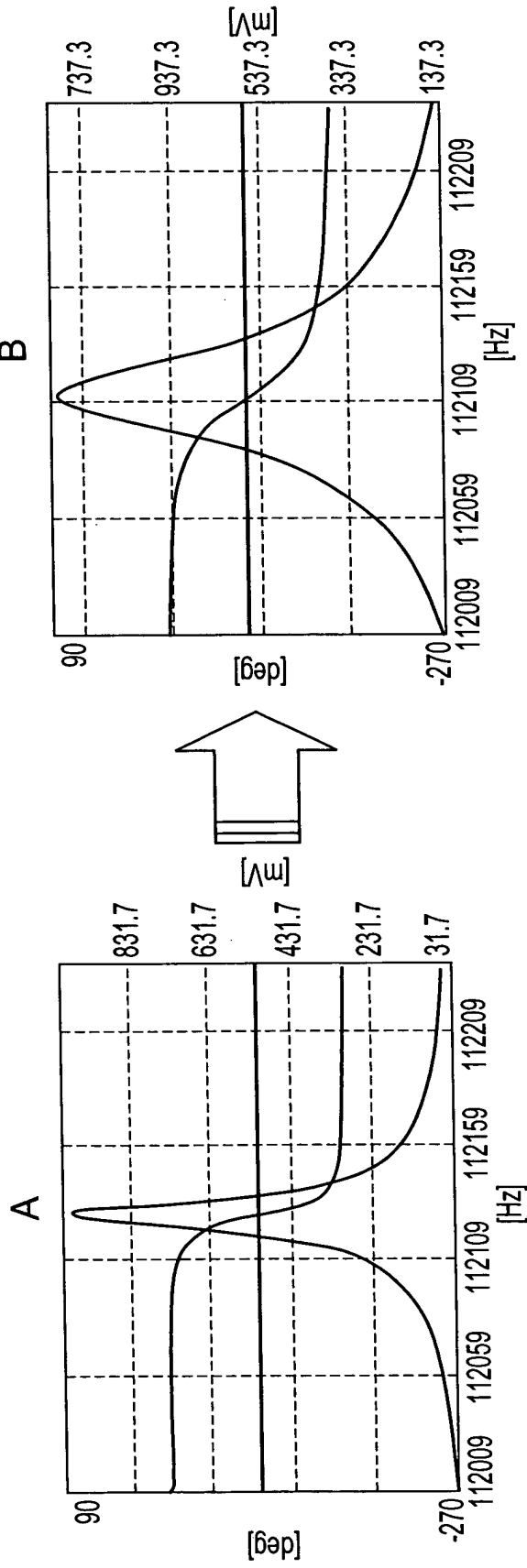


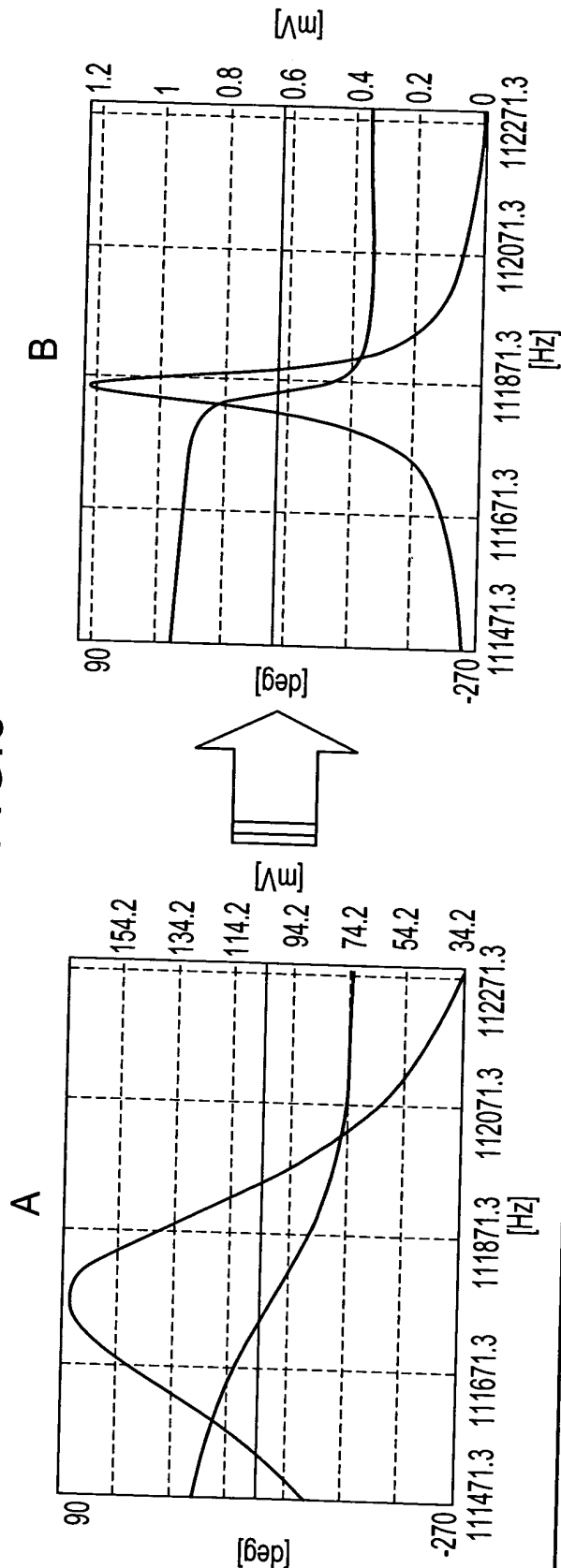
FIG.5



MEASUREMENT	SET	112.128 kHz
FREQUENCY	UPPER LIMIT	112.236 kHz
	LOWER LIMIT	112.009 kHz
MEASUREMENT GAIN	OSCILLATION	0.981 V
EXCITATION VOLTAGE	AMPLITUDE	1.001
LOW-PASS FILTER	RESONANCE FREQUENCY	112.128 kHz
HIGH-PASS FILTER	ΔF	5.0 kHz
PHASE	ΔF	1.0 kHz
	Q-VALUE	10957.620
FILE NAME: BEFORE q-CONTROL.xjq		
COMMENT 1: VACUUM Q=11000		

MEASUREMENT	SET	112.112 kHz
FREQUENCY	UPPER LIMIT	112.236 kHz
	LOWER LIMIT	112.009 kHz
MEASUREMENT GAIN	OSCILLATION	0.994 V
EXCITATION VOLTAGE	AMPLITUDE	1.001
LOW-PASS FILTER	RESONANCE FREQUENCY	112.112 kHz
HIGH-PASS FILTER	ΔF	5.0 kHz
PHASE	ΔF	1.0 kHz
	Q-VALUE	3277.861
FILE NAME: AFTER q-CONTROL.xjq		
COMMENT 1: VACUUM Q=3300 cont.		

FIG.6



MEASUREMENT	MEASUREMENT
FREQUENCY	FREQUENCY
UPPER LIMIT	UPPER LIMIT
LOWER LIMIT	LOWER LIMIT
MEASUREMENT GAIN	MEASUREMENT GAIN
EXCITATION VOLTAGE	EXCITATION VOLTAGE
LOW-PASS FILTER	LOW-PASS FILTER
HIGH-PASS FILTER	HIGH-PASS FILTER
PHASE	PHASE
FILE NAME: q BEFORE IMPROVEMENT.xjq	FILE NAME: q AFTER IMPROVEMENT.xjq
COMMENT 1: ATMOSPHERE Q=347	COMMENT 1: ATMOSPHERE Q=2604

MEASUREMENT	MEASUREMENT
FREQUENCY	FREQUENCY
UPPER LIMIT	UPPER LIMIT
LOWER LIMIT	LOWER LIMIT
MEASUREMENT GAIN	MEASUREMENT GAIN
EXCITATION VOLTAGE	EXCITATION VOLTAGE
LOW-PASS FILTER	LOW-PASS FILTER
HIGH-PASS FILTER	HIGH-PASS FILTER
PHASE	PHASE
FILE NAME: q BEFORE IMPROVEMENT.xjq	FILE NAME: q AFTER IMPROVEMENT.xjq
COMMENT 1: ATMOSPHERE Q=347	COMMENT 1: ATMOSPHERE Q=2604

FIG.7A

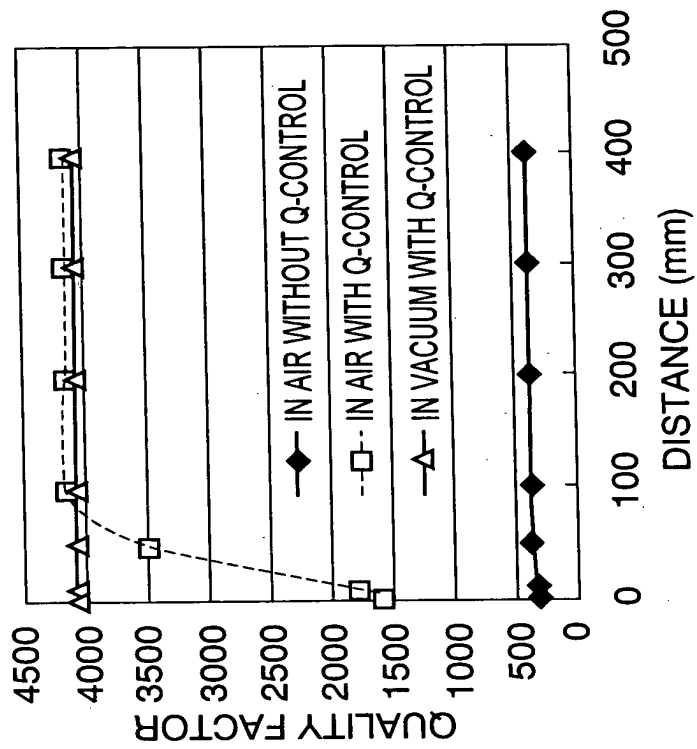


FIG.7B

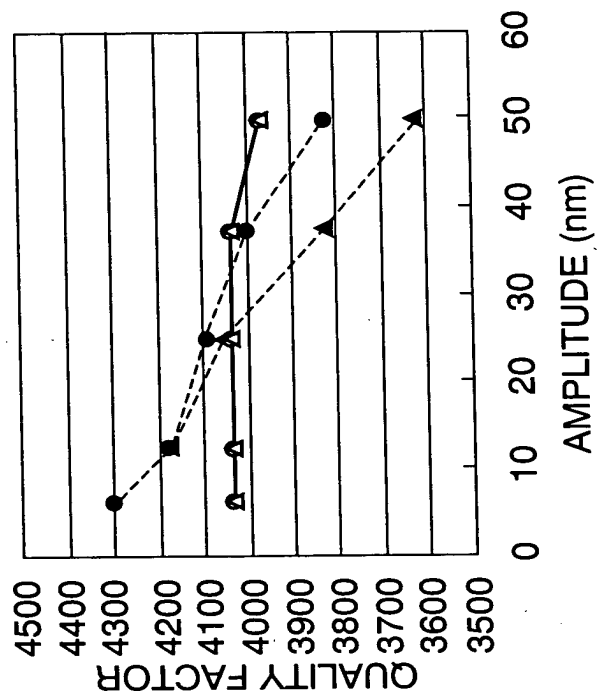


FIG.8

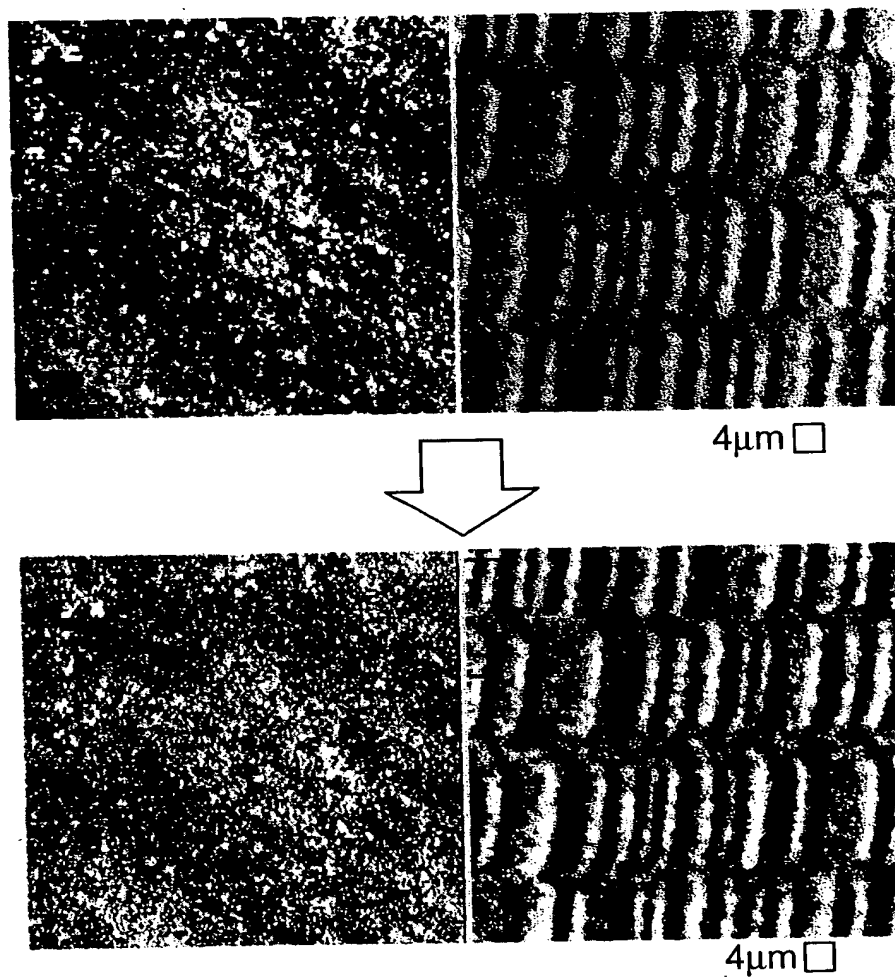


FIG.9



FIG.10A

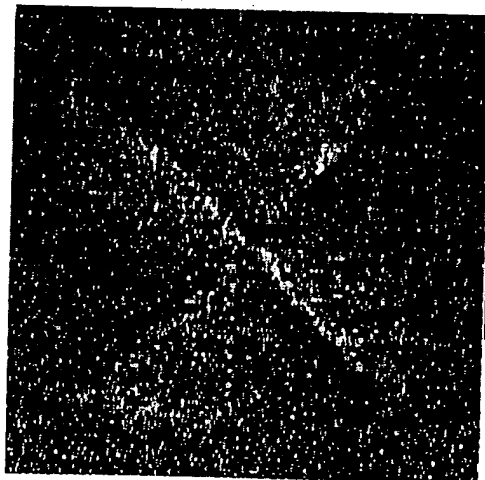


FIG.10B

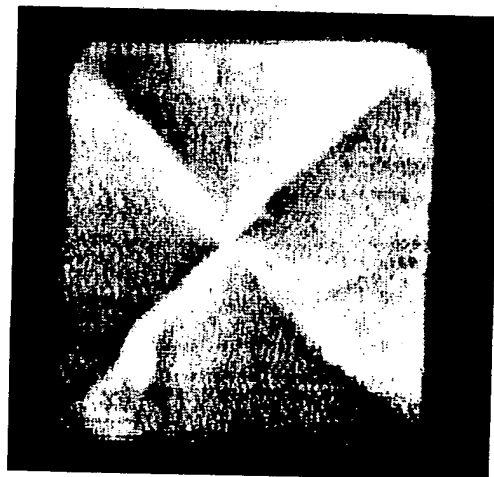


FIG.11

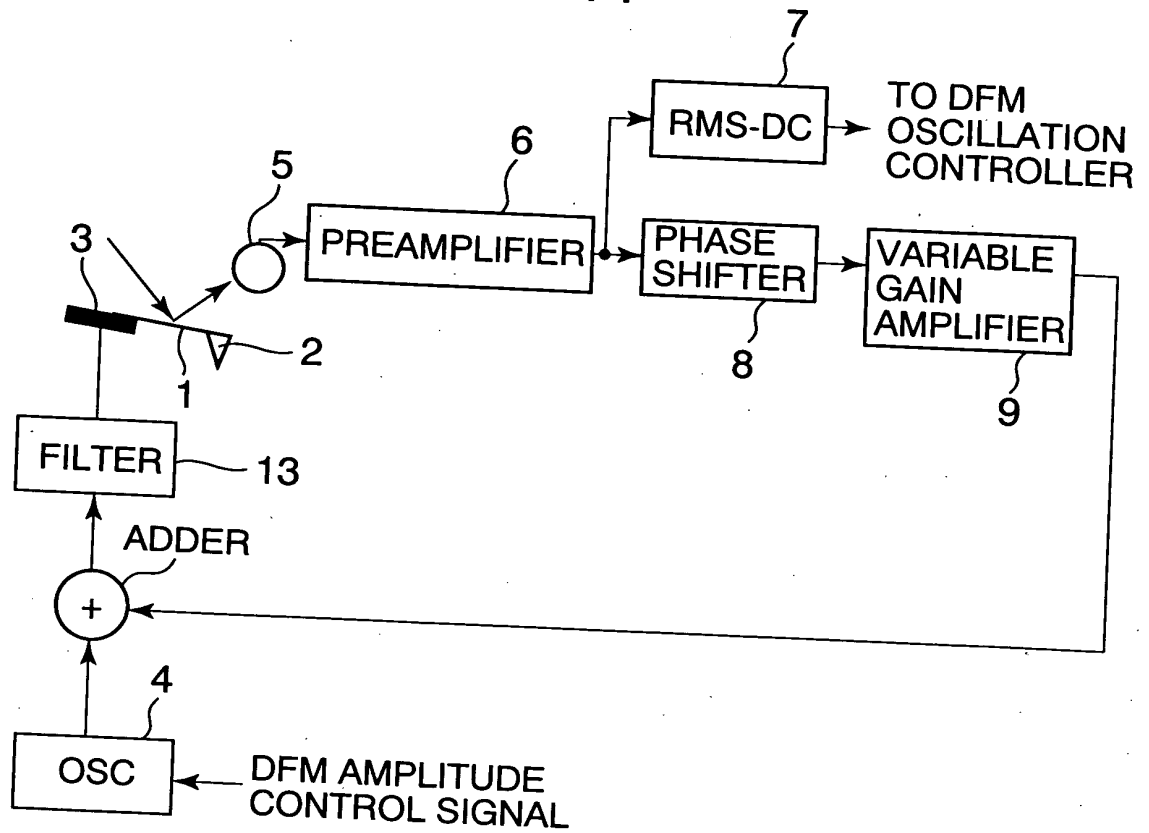


FIG.12

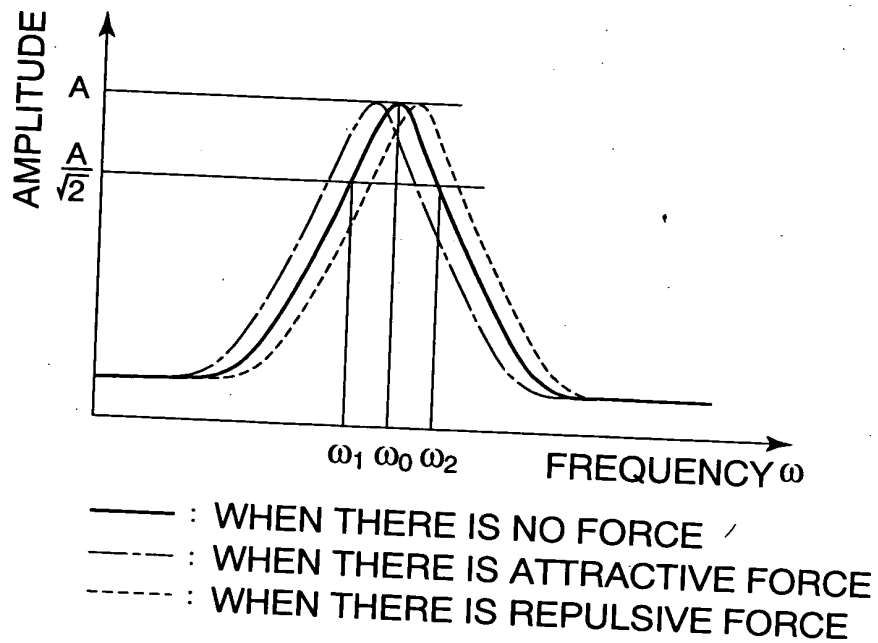


FIG.13

Q-CONTROL

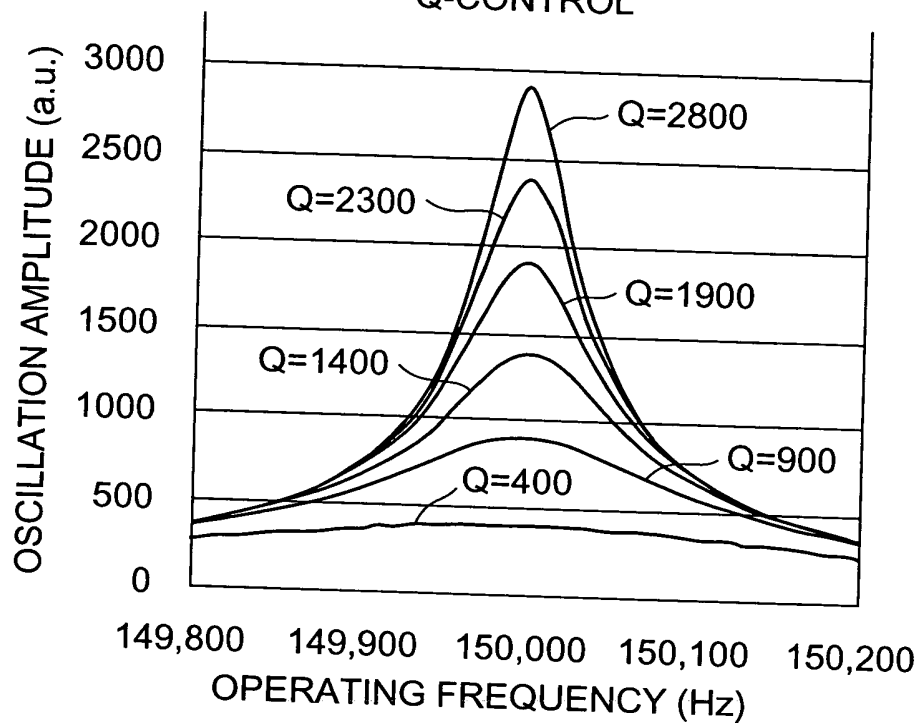


FIG.14

